Asymmetric Target Behavior Presentation

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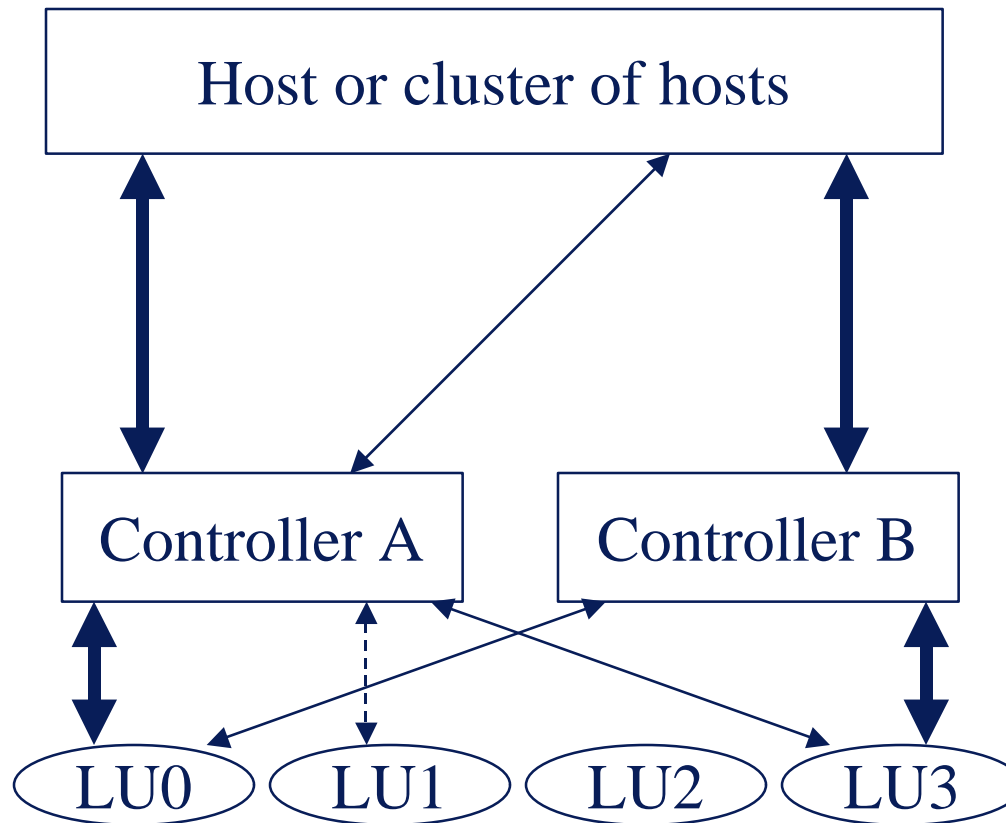
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Asymmetrical SCSI Behavior

- **Examples of asymmetrical behavior**

- **Reporting of asymmetrical behavior**
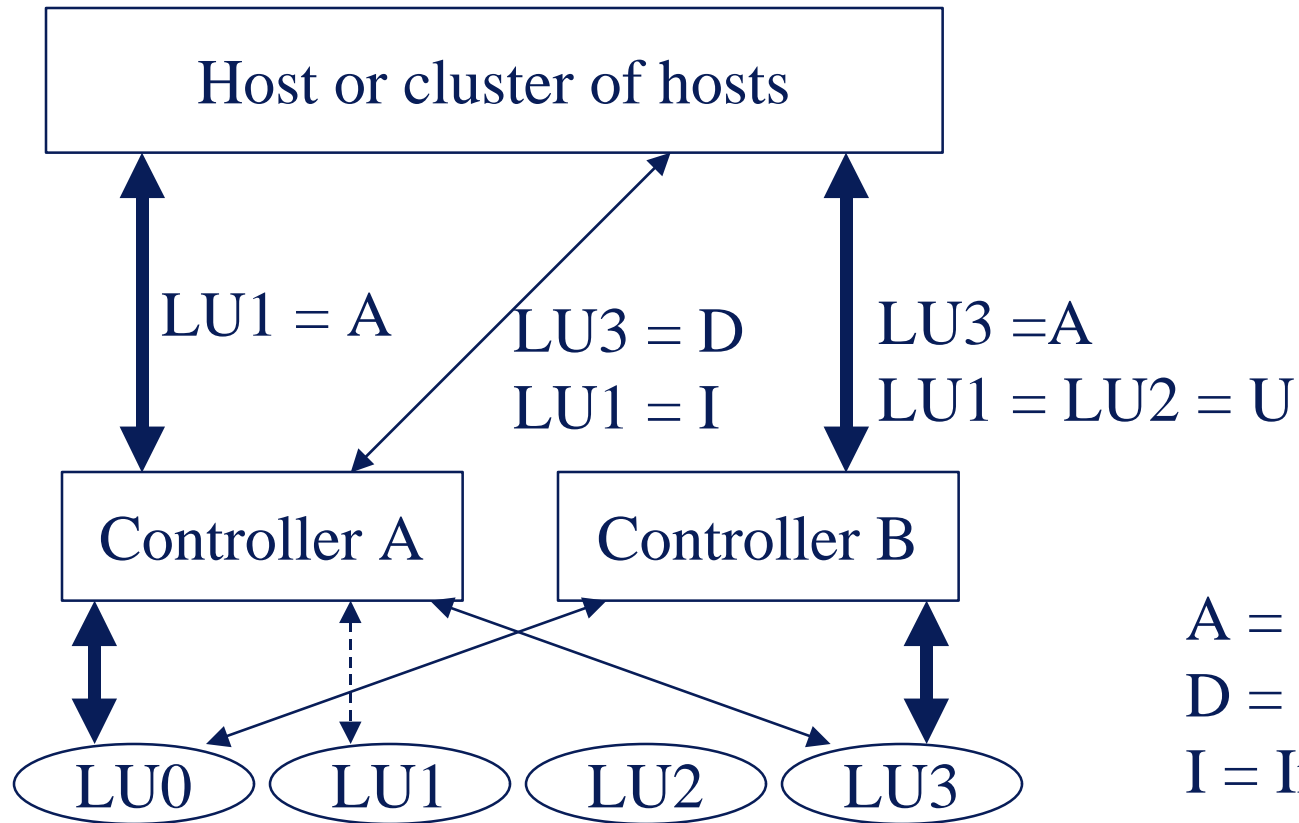
- **Management of asymmetrical behavior**

Normal operation

Host or cluster of hosts

Controller A   Controller B

LU0   LU1   LU2   LU3

States

Host or cluster of hosts

LU1 = A

LU3 = D
LU1 = I

LU3 = A
LU1 = LU2 = U

Controller A   Controller B

LU0   LU1   LU2   LU3

A = Active
D = Degraded
I = Inactive
U = Unavailable

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Reporting of asymmetrical behavior for LUN

- ● **INQUIRY data**

    - ■ **Asymmetric target behavior bit**

    - ■ **Implicit asymmetric target behavior bit**

- ● **VPD Device Identification Page**

    - ■ **Relative Target ID (already defined)**

    - ■ **Relative Target Group ID (new)**

    - ■ **Relative Target Group State (in ID descriptor)**

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Management of asymmetrical behavior

- **MAINTENANCE IN, MAINTENANCE OUT**

    - **Service Action (0A) Report/Set Target Group**

        - **Report Parameters include:**

            Header

            List of all Target groups

            State of each group

            List of Targets in each group

        - **Set Parameters include:**

            Header

            List of all Target Groups

            Requested state of each group

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